

# Jeffin Sam Joji

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## EDUCATION

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**Bachelor of Computer Science (Honours) | Brock University | September 2021 - April 2026**

## SUMMARY

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Dedicated 4th year computer science student with proven cybersecurity expertise and leadership experience seeking IT and Cyber Security opportunities.

## SKILLS

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**Cybersecurity & Threat Analysis:** Threat Hunting, Incident Response, Risk Assessment, Network Traffic Analysis

**Tools & Technologies:** Splunk, SQL, Wireshark, Burp Suite, Nmap, Metasploit, Bash Scripting, Docker, PowerShell, Linux (Kali/Ubuntu), Windows & Unix OS basics

**Data Analysis & Visualization:** Tableau (familiar), Microsoft Excel, Data Preprocessing, Statistical Analysis, Pattern Recognition, Report Generation

**Programming & Development:** Python, Java, C#, C++, PHP, Ruby, Swift, Bash, HTML/CSS, JavaScript, React, Node.js, Django, TypeScript, RESTful APIs, TensorFlow, Postgres, PyTorch

**Soft Skills:** Analytical Thinking, Team Collaboration, Communication, Adaptability, Problem-Solving

## EXPERIENCE

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**Software Engineer Intern | Meritrium Corp | August 2025 - Present**

- Built a full-stack web application using React (frontend) and Python/Flask (backend).
- Designed and implemented RESTful APIs to integrate external data sources and support real-time features.
- Applied OCR and file handling pipelines to automate document parsing and data extraction.
- Improved usability by designing intuitive user flows and prompts for complex workflows.
- **Tech stack:** JavaScript (React), Python (Flask), HTML, CSS, SQL.

**Supervisor | Digital Attractions | March 2025 - Present**

- Trained and mentored new hires using onboarding guides and hands-on coaching, improving new hire efficiency by 35% in their first month.
- Implemented structured troubleshooting processes to resolve technical issues, reducing customer wait times by 25%.
- Submitted and tracked inventory tickets, ensuring accurate stock management and preventing service disruptions.

**Digital Photo Associate | Digital Attractions | May 2023 - March 2025**

- Proficiently captured high-quality digital photos of tourists at popular Niagara Falls attractions, creating memorable visual experiences.
- Utilized advanced photography equipment and editing software to enhance image quality while efficiently managing high-volume tourist photo sessions during peak hours with strong organizational skills and attention to detail.

## PROFESSIONAL DEVELOPMENT

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**Cybersecurity Executive | Brock's Cybersecurity Club | September 2023 - Present**

- Assist in hosting cybersecurity workshops, such as Capture the Flags (CTFs), and guest speaker events, including the [Chief Security Officer of Microsoft](#)
- Market events on social media to increase participant numbers while simultaneously analyzing feedback to identify opportunities for enhanced productivity and improved efficiency across multiple areas.

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## CERTIFICATIONS

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### Virtual Security Analyst | PwC | November 2024

- Completed a job simulation involving cybersecurity for PwC Digital Intelligence, gaining experience in understanding and explaining the concept of integrated defense.
- Developed expertise in integrated defense strategies, applying them in real-world scenarios through risk assessments and tailored security recommendations for clients.
- Demonstrated proficiency in cybersecurity terminology, network segmentation, and firewall configuration.

### Virtual Security Analyst | ANZ | March 2024

- Performed a social engineering investigation on assigned emails and accounts, analyzed, and investigated packets of network traffic with WireShark.
- Rebuilt the data forensically with a hex viewer, based on file signatures, and generated a report on my findings in accordance with established standards.

### Virtual Security Analyst | MasterCard | February 2024

- Played a key role in identifying and reporting security threats, with a specific focus on phishing attacks, during a job simulation as an analyst on Mastercard's Security Awareness Team, contributing to the organization's overall security posture.
- Conducted comprehensive analysis to identify areas within the business that required enhanced security training, leading to the implementation of targeted training courses and procedures for the respective teams.

### Google Cybersecurity Professional Certificate | Coursera | July 2024

### Jr Penetration Tester | TryHackMe | September 2024

## ACADEMIC PROJECTS

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### AI Newsletter and Social Media Content Generator | January 2025 - April 2025

- Developed a full-stack web application using Django that leverages natural language processing to automate content creation for newsletters and social media platforms.
- Implemented AI-powered content generation based on user preferences and trending topics.
- Integrated customizable templates, engagement analytics, and automated multi-platform scheduling.
- **Technologies:** Jira, Python, Django, SQLite, JavaScript, HTML/CSS, TensorFlow, PyTorch

### Neural Network Hyperparameter Tuning using Weka | December 2024

- Explored the effects of hyperparameters (e.g., learning rate, momentum, hidden layers) on the performance of neural networks using Weka's machine learning toolkit.
- Conducted experiments on classification datasets (e.g., Iris, Wine) to optimize model accuracy.
- Analyzed and reported the impact of tuning on generalization and training performance.

### Genetic Algorithm Optimization Report | October 2024

- Designed and tested a Genetic Algorithm (GA) to solve a complex optimization problem.
- Developed a Genetic Algorithm in Python to solve the university course scheduling problem and conducted 100 controlled experiments varying crossover methods, mutation/crossover rates, and dataset inputs.
- Automated result logging and analysis to identify optimal GA settings and determine the most effective crossover strategy for minimizing scheduling conflicts.

### Multiplayer Game using Socket Programming | March 2025

- Built a networked multiplayer game in Java using sockets and Swing, supporting concurrent terminal and GUI players with real-time synchronization and messaging across client sessions.

### Introduction to Cyber-Security | January 2025 - April 2025

- Completed a series of hands-on offensive security assignments using a Kali/Ubuntu Linux environment and Docker-based lab setups and Gained experience with Linux privilege escalation and secure system analysis.
- Demonstrated privilege escalation by exploiting buffer overflows, ARP spoofing with Python in Docker, and XSS attacks in a simulated environment.
- **Technologies:** Ubuntu/Kali Linux, Python, Docker, bash scripting, net-tools, Wireshark, Burp Suite